

# MAINTENANCE OF TRAFFIC GENERAL NOTES

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## MAINTENANCE OF TRAFFIC - STATE ROUTE 91

"ANY LANE CLOSURE OTHER THAN SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS SHALL BE IMPLEMENTED ONLY DURING NON-PEAK HOURS WHICH ARE GENERALLY FROM 9:00 P.M. TO 3:00 P.M. THESE TIMES MAY NEED TO BE ADJUSTED BY THE PROJECT ENGINEER BASED UPON FIELD CONDITIONS."

ALL EXISTING LOOP DETECTORS SHALL BE MAINTAINED IN GOOD WORKING ORDER FOR THE INTERSECTION OF S.R. 91 AND VINE STREET ESPECIALLY ON THE WEST APPROACH. FOR SECTION 1 - PHASE A, INSTALL A TEMPORARY DETECTOR ON THE EAST APPROACH AND CONNECT TO CONTROLLER. FOR SECTION 1 - PHASE B, INSTALL ANOTHER TEMPORARY LOOP DETECTOR ON THE NEWLY CONFIGURED EAST APPROACH AND CONNECT TO CONTROLLER, AS DIRECTED BY ENGINEER. DURING SECTION 2 - PHASES A & B, INSTALL TEMPORARY DETECTOR LOOPS IN THE LEFT TURN SLOTS FOR STATE ROUTE 91 AND CONNECT TO THE CONTROLLER FOR SECTION 2 PHASES AS DIRECTED BY THE ENGINEER. THE THROUGH DETECTOR LOOPS ON STATE ROUTE 91 CAN BE DEFERRED FOR INSTALLATION UNTIL THE PERMANENT PAVEMENT IS COMPLETE. HOWEVER, THE SIGNAL TIMING WILL NEED TO BE PROGRAMMED FOR THE PROPER GREEN TIMINGS PER TIME OF DAY. THE CONTRACTOR SHALL DETERMINE TEMPORARY SIGNAL TIMINGS AND SUBMIT TO ENGINEER FOR APPROVAL. THIS SHALL BE PAID FOR AS LUMP SUM FOR SIGNALIZATION, MISC.: TEMPORARY SIGNAL TIMING, AS PER PLAN. TEMPORARY LOOPS SHALL BE PAID FOR AS SIGNALIZATION, MISC.: TEMPORARY DETECTOR LOOP, AS PER PLAN, EACH. THE UNIT PRICE BID SHALL INCLUDE ALL NEEDED LEAD-IN AND CABINET HOOK UP.

## TRAFFIC CONTROL DEVICES LOCATED OUTSIDE OF THE LIMITS OF CONSTRUCTION

IN ADDITION TO THE REQUIREMENTS OF 614.05 OF THE CMS, THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE SUCH ADDITIONAL TRAFFIC CONTROL DEVICES LOCATED OUTSIDE OF THE LIMITS OF CONSTRUCTION AS ARE REQUIRED ON HIGHWAYS WHICH ARE USED AS DETOURS, INCLUDING THE ROAD CLOSED SIGNS UPON THE BARRICADES AT THE POINT WHERE THE HIGHWAY IS CLOSED.

## FLASHING ARROW PANELS

WHEN FLASHING ARROW PANELS ARE REQUIRED, SOLAR, ELECTRIC, OR BATTERY POWERED EQUIPMENT SHALL BE EXCLUSIVELY UTILIZED WHEN LOCATED WITHIN 91.46 METERS OF ANY RESIDENCE. DIESEL OR GASOLINE POWERED GENERATORS SHALL NOT BE PERMITTED IN THESE AREAS EXCEPT WHEN USED INTERMITTENTLY FOR THE SOLE PURPOSE OF CHARGING INTERNAL BATTERIES WHICH PROVIDE THE PRIMARY POWER FOR THE EQUIPMENT.

## COVERING OF SIGNS

WHERE DIRECTED BY THE ENGINEER OR WHERE THE PLANS CALL FOR A PERMANENT SIGN TO BE COVERED, THE CONTRACTOR SHALL DO SO IN SUCH A MANNER AS TO AVOID DAMAGING THE PERMANENT SIGN WHEN THE COVER IS REMOVED. THE COVER SHALL BE TOTALLY OPAQUE. THE USE OF ADHESIVE TAPE APPLIED DIRECTLY TO A SIGN FACE IS STRICTLY PROHIBITED.

## ITEM SPECIAL - TEMPORARY TRAFFIC SIGNAL

THE CONTRACTOR SHALL CONSTRUCT TEMPORARY TRAFFIC SIGNALS AS SHOWN IN THE PLANS FOR THE FOLLOWING INTERSECTIONS:

STATE ROUTE 640 (VINE STREET) & STATE ROUTE 91

THE LOCATION OF THE SPAN WIRE MOUNTED SIGNAL HEADS SHALL BE ADJUSTED AS REQUIRED FOR EACH CONSTRUCTION PHASE TO PROVIDE PROPER ALIGNMENT WITH THE APPROACH TRAFFIC LANES. CONTROLLER TIMING SETTINGS SHALL BE ADJUSTED AS NECESSARY TO OPTIMIZE TRAFFIC FLOW FOR EACH CONSTRUCTION PHASE.

ALL SIGNAL EQUIPMENT SHALL CONFORM TO ITEM 632 EXCEPT USED EQUIPMENT MAY BE USED AND THE 10 DAY PERFORMANCE TEST IS WAIVED.

PAYMENT FOR THE TEMPORARY SIGNALS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM SPECIAL - TEMPORARY TRAFFIC SIGNAL AND SHALL INCLUDE ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO CONSTRUCT, MAINTAIN, AND SUBSEQUENTLY REMOVE THE TEMPORARY SIGNALS FROM SERVICE.

## MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL/FLASHER INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

A) EXISTING SIGNAL/FLASHER INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS/HER OPERATIONS FIRST DISTURBS THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED, AND THE WORK IS ACCEPTED.

B) NEW OR REUSED SIGNAL/FLASHER INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR SHALL CORRECT AS QUICKLY AS POSSIBLE ALL OUTAGES OR MALFUNCTIONS. HE/SHE SHALL PROVIDE THE CITY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS/HER MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR SHALL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS, AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS, AND MISALIGNED SIGNAL HEADS SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN FOUR HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE.

IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR SHALL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND SHALL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE SHALL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION, THEN THE ALLOTTED TIME LIMIT SHALL BE FOR THE WORST SINGLE OUTAGE.

WHERE OUTAGES ARE THE DIRECT RESULT OF A VEHICLE ACCIDENT, THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION OF ANY COMPENSATION FOR THIS WORK FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE.

WHERE THE CONTRACTOR HAS FAILED TO OR CANNOT RESPOND TO AN OUTAGE OR SIGNAL EQUIPMENT MALFUNCTION, AT THESE LOCATIONS WITHIN HIS/HER RESPONSIBILITY, WITHIN PERIODS SPECIFIED ABOVE, THE ENGINEER MAY INVOKE THE PROVISIONS OF SECTION 105.15 AND ANY SUBSEQUENT BILLINGS TO THE STATE FOR POLICE SERVICES AND MAINTENANCE SERVICES SHALL BE DEDUCTED FROM MONIES DUE OR TO BECOME DUE THE CONTRACTOR IN ACCORDANCE WITH PROVISIONS OF SECTION 105.15.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO A TRAFFIC SIGNAL COMPONENT REQUIRED TO BE HANDLED DURING THE RELOCATION OF POLES AND REVISIONS TO THE SIGNAL SYSTEM.

ANY VEHICULAR TRAFFIC SIGNAL HEAD, EITHER NEW OR EXISTING WHICH WILL BE OUT OF OPERATION SHALL BE COVERED IN THE MANNER DESCRIBED IN 632.24.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

## NOTIFICATION AND TIME LIMITATIONS FOR PROPOSED DRIVEWAY AND PARKING LOT WORK ON PARCEL 25, 25A, & PARCEL 32

PARCELS 25, 25A & 32 ARE AUTO DEALERSHIPS WHICH UTILIZE THE PROPERTY IN THE TEMPORARY TAKE AREAS FOR DISPLAYING VEHICLES. IT IS FOR THIS REASON THAT THE CONTRACTOR MUST NOTIFY THE PROPERTY OWNER IN A TIMELY MANNER AND THAT THE TIME FOR COMPLETING WORK IN THE TEMPORARY TAKE AREAS MUST BE KEPT TO A MINIMUM, AS NOTED BELOW:

FOR PARCEL 25 & 25A (ARKO AUTO SALES): THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 14 DAYS PRIOR TO WORKING WITHIN THE TEMPORARY TAKE AREA TO ALLOW THE OWNER SUFFICIENT TIME TO MOVE VEHICLES THAT ARE DISPLAYED IN THE TAKE AREA. THE CONTRACTOR SHALL COMPLETE THE PROPOSED CONCRETE APRON, LOT RECONSTRUCTION, GRADING WORK, AND ALL OTHER WORK LOCATED WITHIN THE TEMPORARY TAKE AREA (AS DETAILED ON THE PLANS) WITHIN 30 CONSECUTIVE CALENDAR DAYS AFTER BEGINNING WORK WITHIN THE TAKE AREA.

FOR PARCEL 32 (TKP AUTO SALES): THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 14 DAYS PRIOR TO WORKING WITHIN THE TEMPORARY TAKE AREA TO ALLOW THE OWNER SUFFICIENT TIME TO MOVE VEHICLES THAT ARE DISPLAYED IN THE TAKE AREA. THE CONTRACTOR SHALL COMPLETE THE PROPOSED CONCRETE APRON, LOT RECONSTRUCTION, DRAINAGE ITEMS, CURB, AND ALL OTHER WORK LOCATED WITHIN THE TEMPORARY TAKE AREA (AS DETAILED ON THE PLANS) WITHIN 60 CONSECUTIVE CALENDAR DAYS AFTER BEGINNING WORK WITHIN THE TAKE AREA.

MAINTENANCE OF TRAFFIC GENERAL NOTES

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